

FORM PTO-1449  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 24047.330C.US01

Continuation of  
APPLICATION NO. 08/797,294

APPLICANT Robert W. Henderson and Tarek Hammad

09 834726

FILING DATE April 16, 2001

GROUP Unassigned

U.S. PTO

09/834726

04/16/01

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
H0	AA1	3,232,836	02/1966	Carlozzi <i>et al.</i>			
H0	AB1	3,371,012	02/1968	Furuhashi			
H0	AC1	3,683,076	08/1972	Rovati			
H0	AD1	3,697,652	10/1972	Rovati <i>et al.</i>			
H0	AE1	4,006,224	02/1977	Prudden			
H0	AF1	4,465,672	08/1984	Gennari			
H0	AG1	4,473,551	09/1984	Schinitsky			
H0	AH1	4,486,416	12/1984	Soll <i>et al.</i>			
H0	AI1	4,534,408	09/1985	Gennari			
H0	AJ1	4,647,453	03/1987	Meisner			
H0	AK1	4,772,591	09/1988	Meisner			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
H0	AL1	WO 92/15614	09/1992	PCT			<input type="checkbox"/> Yes <input type="checkbox"/> No
H0	AM1	2,609,397	07/1988	France			<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN1						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO1						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP1						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
H0	AS 1	Vidal y Plana <i>et al.</i> , "Articular Cartilage Pharmacology: I. In Vitro Studies on Glucosamine and Non-Steroidal Anti-inflammatory Drugs," Pharmacological Research Communications, 10 (6) 557-569 (1978).
H0	AT 1	Murray, "A Natural Treatment of Osteoarthritis," MPI's Dynamic Chiropractic, pp. 8-10, September 12, 1993.

EXAMINER	DATE CONSIDERED
<i>Robert W. Henderson</i>	9/22/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. <del>08/797,294</del>			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			
U.S. PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
HO	AA2	4,801,619	01/1989	Lindblad					
HO	AB2	4,870,061	09/1986	Speck					
HO	AC2	4,983,580	01/1991	Gibson					
HO	AD2	4,990,606	02/1991	Gennari					
HO	AE2	5,102,791	04/1992	Gennari					
HO	AF2	5,128,249	07/1992	Gennari					
HO	AG2	5,141,928	08/1992	Goldman					
HO	AH2	5,196,402	03/1993	Braganza <i>et al.</i>					
HO	AI2	5,364,845	11/1994	Henderson					
HO	AJ2	5,446,070	08/1995	Mantelle					
HO	AK2	5,466,678	11/14/95	Kawabata <i>et al.</i>					
FOREIGN PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL2						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AM2						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AN2						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AO2						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AP2						<input type="checkbox"/> Yes <input type="checkbox"/> No		
EXAMINER INITIALS	REF. NO.		OTHER (Including Author, Title, Date, Pertinent Pages, etc.)						
HO	AR	2	Morrison <i>et al.</i> , "Coronary Heart Disease and the Mucopolysaccharides (Glycosaminoglycans)," C.C. Thomas, publisher, 1973, pp. 12-13; 109-127.						
HO	AS	2	Christensen, "Nutritional Support for Injury Rehabilitation Specific Needs For the Three Phases of Rehabilitation," Chiropractic Products, pp. 100-102 (April 1993).						
HO	AT	2	Stramentinoli, G., "Pharmacologic Aspects of S-Adenosylmethionine," American Journal of Medicine, 83 (Supp. 5A): 35-42 (1987).						
EXAMINER <i>Howard E. Evans</i>					DATE CONSIDERED 9/22/02				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.									

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. 08/797,294			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
H0	AA3	5,565,286	08/1997	Miranda <i>et al.</i>			
H0	AB3	5,691,325	11/1997	Sandyk			
H0	AC3	5,721,361	02/1998	Lennon <i>et al.</i>			
	AD3						
	AE3						
	AF3						
	AG3						
	AH3						
	AI3						
	AJ3						
	AK3						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM3						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN3						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO3						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP3						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
H0	AR 3	Adachi <i>et al.</i> , "The Effects of S-adenosylmethionine on Intrahepatic Cholestasis," Japan. Arch. Int. Med., 33(6): 185-192 (1986).
H0	AS 3	Caruso <i>et al.</i> , "Antidepressant Activity of S-adenosylmethionine," Lancet, 904 (1984).
H0	AT 3	Domljan <i>et al.</i> , "A Double-blind Trial of Ademetionine vs Naproxen in Activated Gonarthrosis," Int. Journal of Clinical Pharmacology, Therapy and Toxicology, 27 (7): 329-333 (1989).

EXAMINER <i>Howard Elson</i>	DATE CONSIDERED 9/22/02
------------------------------	-------------------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. 08/797,294			
				APPLICANT Robert W. Henderson and Tarek Hammad <span style="float: right; font-family: cursive;">09834726</span>					
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA4						
	AB4						
	AC4						
	AD4						
	AE4						
	AF4						
	AG4						
	AH4						
	AI4						
	AJ4						
	AK4						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM4						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN4						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO4						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP4						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
Ho	AS 4	Feo <i>et al.</i> , "Early Stimulation of Polyamine Biosynthesis During Promotion by Phenobarbital of Diethylnitrosamine-induced Rate Liver Carcinogenesis: The Effects of Variations of the S-adenosyl-L-methionine Cellular Pool," Carcinogenesis, 6 (12) 1713-20 (1985).
Ho	AT 4	Garcea <i>et al.</i> "Variations of Ornithine Decarboxylase Activity and S-adenosyl-L-methionine and 5'-methylthioadenosine Contents During the Development of Diethylnitrosamine-induced Liver Hyperplastic Nodules and Hepatocellular Carcinoma," Carcinogenesis, 8 (5): 653-58 (1987).

EXAMINER <span style="font-family: cursive; font-size: 1.5em;">Howard Qina</span>	DATE CONSIDERED <span style="font-family: cursive;">9/2/02</span>
---	---

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. 08/797,294			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			
U.S. PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA5								
	AB5								
	AC5								
	AD5								
	AE5								
	AF5								
	AG5								
	AH5								
	AI5								
	AJ5								
	AK5								
FOREIGN PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL5						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AM5						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AN5						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AO5						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AP5						<input type="checkbox"/> Yes <input type="checkbox"/> No		
EXAMINER INITIALS	REF. NO.		OTHER (Including Author, Title, Date, Pertinent Pages, etc.)						
Ho	AR	5	Schumacher, "Osteoarthritis: The Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine," American Journal of Medicine, 83 (Supp. 5A): 1-4 (1987).						
Ho	AS	5	Frezza <i>et al</i> , "Oral S-Adenosylmethionine in the Symptomatic Treatment of Intrahepatic Cholestasis," Gastroenterology, 99: 211-215 (1990).						
Ho	AT	5	Matthews & Lewis, "The Anti-Inflammatory Action of S-adenosyl-L-methionine," Pharmacol. (Life Sci. Adv.), 9: 145-152 (1990).						
EXAMINER					DATE CONSIDERED				
Howard Chen					9/26/02				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.									

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24047.330C.US01	Continuation of APPLICATION NO. 08/797,294
	APPLICANT Robert W. Henderson and Tarek Hammad <i>09834726</i>	
	FILING DATE April 16, 2001	GROUP Unassigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA6						
	AB6						
	AC6						
	AD6						
	AE6						
	AF6						
	AG6						
	AH6						
	AI6						
	AJ6						
	AK6						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL6						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM6						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN6						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO6						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP6						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
<i>H0</i>	AR 6	Szabo <i>et al.</i> , "Sulphydryl Compounds May Mediate Gastric Cytoprotection," Science, 214: 200-202 (October 1981).
<i>H0</i>	AS 6	Conroy <i>et al.</i> , "Occurrence of Ornithine Decarboxylase and Polyamines in Cartilage," Biochem. J., 162: 347-350 (1977).
<i>H0</i>	AT 6	Bird <i>et al.</i> , "Putrescine -- A Potent Endogenous Anti-inflammatory Substance in Inflammatory Exudates," Agents and Actions, 13: 342-347 (1983).

EXAMINER <i>Howard Quas</i>	DATE CONSIDERED <i>9/26/02</i>
-----------------------------	--------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. <del>08/797,294</del>			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834786	
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA7						
	AB7						
	AC7						
	AD7						
	AE7						
	AF7						
	AG7						
	AH7						
	AI7						
	AJ7						
	AK7						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL7						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM7						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN7						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO7						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP7						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
H0	AS	7	Oyanagui, "Anti-inflammatory Effects of Polyamines in Serotonin and Carrageenan Paw Edemata--Possible Mechanism to Increase Vascular Permeability Inhibitory Protein Level Which is Regulated by Glucocorticoids and Superoxide Radical," Agents and Actions, 14: 228-237 (1984).
H0	AT	7	Kafy <i>et al.</i> , "In Vitro Interactions Between Endogenous Polyamines and Superoxide Anion," Agents and Actions, 18: 555-559 (1986).

EXAMINER <i>Howard Olson</i>	DATE CONSIDERED <i>9/26/02</i>
------------------------------	--------------------------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. <u>08/797,294</u>			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA8						
	AB8						
	AC8						
	AD8						
	AE8						
	AF8						
	AG8						
	AH8						
	AI8						
	AJ8						
	AK8						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL8						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM8						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN8						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO8						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP8						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
No	AR 8	Vendemiale <i>et al.</i> , "Effects of Oral S-Adenosyl-L-Methionine on Hepatic Glutathione in Patients with Liver Disease," Scand. J. Gastroenterol., 24: 407-415 (1989).
No	AS 8	Kaye <i>et al.</i> , "Metabolism of Exogenous S-Adenosyl-L-Methionine in Patients with Liver Disease," Drugs, 40 (Sup. 3): 124-138 (1990).
No	AT 8	"Current Therapy in Equine Medicine 2," Robinson, Editor, W.B. Saunders Co., Publisher, pp. 402-403 (1987).

EXAMINER <i>Harold Jones</i>	DATE CONSIDERED <i>4/22/02</i>
------------------------------	--------------------------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. 08/797,294			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834786	
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA9						
	AB9						
	AC9						
	AD9						
	AE9						
	AF9						
	AG9						
	AH9						
	AI9						
	AJ9						
	AK9						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL9						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM9						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN9						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO9						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP9						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
Ho	AR 9	Joosten et al., "Metabolic Evidence That Deficiencies of Vitamine B-12 (Cobalamin), Folate, and Vitamin B-6 Occur Commonly in Elderly People," Am. J. Clin. Nutr., 58: 468-76 (1993).
Ho	AS 9	Chen and Whanger, "Effect of Vitamin B-12 Status on Selenium Methylation and Toxicity in Rats: In vivo and In Vitro Studies," Toxicology and Applied Pharmacology, 118: 65-72 (1993).
Ho	AT 9	Drovanti et al., "Therapeutic Activity of Oral Glucosamine Sulfate in Osteoarthritis : A Placebo-Controlled Double-Blind Investigation," Clinical Therapeutics, 3 (4): 260-272 (1980).

EXAMINER <i>David Aves</i>	DATE CONSIDERED <i>6/22/02</i>
----------------------------	--------------------------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. 08/797,294			
				APPLICANT Robert W. Henderson and Tarek Hammad <span style="float: right; font-family: cursive;">09834726</span>					
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA10						
	AB10						
	AC10						
	AD10						
	AE10						
	AF10						
	AG10						
	AH10						
	AI10						
	AJ10						
	AK10						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL10						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM10						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN10						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO10						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP10						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
<i>Ho</i>	AS <u>10</u>	Karzel and Domenjoz, "Effects of Hexosamine Derivatives and Uronic Acid Derivatives on Glycosaminoglycane Metabolism of Fibroblast Cultures," Pharmacology 5: 337-345 (1971).
<i>Ho</i>	AT <u>10</u>	Setnikar et al, "Pharmacokinetics of Glucosamine in the Dog and in Man," Arzneim.-Forsch., 36 (I): 729-735 (1986).

EXAMINER <span style="font-family: cursive; font-size: 1.2em;">Howard Quig</span>	DATE CONSIDERED <span style="font-family: cursive;">9/22/02</span>
---	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. <del>08/797,294</del>			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA11						
	AB11						
	AC11						
	AD11						
	AE11						
	AF11						
	AG11						
	AH11						
	AI11						
	AJ11						
	AK11						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL11						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM11						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN11						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO11						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP11						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
Ho	AR 11	Anon., "Using a Chondroprotective Drug in Treating Dogs with Osteochondrosis," Veterinary Medicine, 130 (Feb. 1993).
Hu	AS 11	Bucci, "Manganese: Its Role in Nutritional Balance," Today's Chiropr., 17 (2): 23-28, 44 (1988).
Ho	AT 11	Garrison, Jr., et al., "The Nutrition Desk Reference," Keats Publishing, Inc., pp. 70-71 (1985).

EXAMINER <i>Harold Davis</i>	DATE CONSIDERED <i>9/22/02</i>
------------------------------	--------------------------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO-08/797,294*			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			
U.S. PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA12								
	AB12								
	AC12								
	AD12								
	AE12								
	AF12								
	AG12								
	AH12								
	AI12								
	AJ12								
	AK12								
FOREIGN PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL12						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AM12						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AN12						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AO12						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AP12						<input type="checkbox"/> Yes <input type="checkbox"/> No		
EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
Ho	AR 12	Garrison, Jr., et al., "The Nutrition Desk Reference," Keats Publishing, Inc., pp. 70-71 (1985).							
Ho	AS 12	Champe et al., Lippincott's Illustrated Reviews : Biochemistry, pp. 148-50 (2nd ed. 1994).							
Ho	AT 12	Bucci, "Nutrition Applied to Injury Rehabilitation and Sports Medicine," CRC Press, Inc. (1994).							
EXAMINER <i>Ronald Dean</i>					DATE CONSIDERED 9/20/02				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.									

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. <u>08/797,294</u>			
				APPLICANT <b>Robert W. Henderson and Tarek Hammad</b> <span style="float: right; font-family: cursive;">09834726</span>					
				FILING DATE <b>April 16, 2001</b>		GROUP <b>Unassigned</b>			
U.S. PATENT DOCUMENTS									
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA13								
	AB13								
	AC13								
	AD13								
	AE13								
	AF13								
	AG13								
	AH13								
	AI13								
	AJ13								
	AK13								
FOREIGN PATENT DOCUMENTS									
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL13						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AM13						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AN13						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AO13						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AP13						<input type="checkbox"/> Yes <input type="checkbox"/> No		
EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
H/O	AS	13	Hardingham et al., "Proteoglycans: Many Forms and Many Functions," 6 FASEB J. 861, 862 91992).						
H/O	AT	13	Banks, "Applied Veterinary Histology," Williams and Wilkins Publisher, pp. 84-85 (1986).						
EXAMINER <span style="font-family: cursive;">Howard Owen</span>					DATE CONSIDERED <span style="font-family: cursive;">4/26/02</span>				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.									

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24047.330C.US01	Continuation of APPLICATION NO. <del>08/797,294</del>
	APPLICANT Robert W. Henderson and Tarek Hammad <i>09834726</i>	
	FILING DATE April 16, 2001	GROUP Unassigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA14						
	AB14						
	AC14						
	AD14						
	AE14						
	AF14						
	AG14						
	AH14						
	AI14						
	AJ14						
	AK14						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL14						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM14						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN14						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO14						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP14						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
<i>HO</i>	AR 14	Bucci, "Glucosamine -- A New Potent Nutraceutical for Connective Tissues," Nutritional Supplement Advisor (July 1992).
<i>HO</i>	AS 14	Bucci, "Chondroprotective Agents Glucosamine Salts and Chondroitin Sulfates," Townsend Letter for Doctors, pp. 52-54 (January 1994).
<i>HO</i>	AT 14	McGarrity et al, "Effect of Selenium on Growth, S-Adenosylmethionine and Polyamine Biosynthesis in Human Colon Cancer Cells," Anticancer Research, 13: 811-815 (1993).

EXAMINER <i>Howard Edg</i>	DATE CONSIDERED <i>9/22/02</i>
----------------------------	--------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. <del>08/797,294</del>			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA15						
	AB15						
	AC15						
	AD15						
	AE15						
	AF15						
	AG15						
	AH15						
	AI15						
	AJ15						
	AK15						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL15						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM15						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN15						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO15						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP15						<input type="checkbox"/> Yes <input type="checkbox"/> No

EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
Ho	AR 15	Dausch et al., "Increased Levels of S-Adenosylmethionine in the Livers of Rats Fed Various Forms of Selenium," Nutrition and Cancer, 20 (1) 31-39 (1993).
Ho	AS 15	Kajander et al., "Effects of Selenomethionine on Cell Growth and on S-adenosylmethionine Metabolism in Cultured Malignant Cells," Biochem. J., 267: 767-774 (1990).
Ho	AT 15	"S-ADENOSYLMETHIONINE": <u>ARTHRITIS NETWORK</u> : Third Edition, August 1998, 9-10.

EXAMINER <i>Samuel Quin</i>	DATE CONSIDERED <i>9/26/02</i>
-----------------------------	--------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		APPLICATION NO. * <i>7</i>	
				APPLICANT Robert W. Henderson and Tarek Hammad <i>09834736</i>			
				FILING DATE April 16, 2001		GROUP Unassigned	
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA16						
	AB16						
	AC16						
	AD16						
	AE16						
	AF16						
	AG6						
	AH16						
	AI16						
	AJ16						
	AK16						
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	REF. NO.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL16						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AM16						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AN16						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO16						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AP16						<input type="checkbox"/> Yes <input type="checkbox"/> No
EXAMINER INITIALS	REF. NO.	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)					
<i>Ho</i>	AS 16	Bassleer C., Henrotin Y., Franchimont, P., "In-Vitro Evaluation of Drugs Proposed as Chondroprotective Agents," <u>Int. J. tiss Reac.</u> , 14 [5] (1992) 231-241.					
<i>Ho</i>	AT 16	Calia, Kurt Geoffrey; Cover Letter to USPTO with January 11, 1996 date stamp indicating receipt of Petition to Make Special and the documentation in support of that petition; pp. 1-2.					
EXAMINER <i>Howard Davis</i>					DATE CONSIDERED <i>9/26/02</i>		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							



FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 24047.330C.US01		Continuation of APPLICATION NO. <del>08797,294</del>			
				APPLICANT Robert W. Henderson and Tarek Hammad				09834726	
				FILING DATE April 16, 2001		GROUP Unassigned			
U.S. PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	GRANT DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA17								
	AB17								
	AC17								
	AD17								
	AE17								
	AF17								
	AG17								
	AH17								
	AI17								
	AJ17								
	AK17								
FOREIGN PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL17						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AM17						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AN17						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AO17						<input type="checkbox"/> Yes <input type="checkbox"/> No		
	AP17						<input type="checkbox"/> Yes <input type="checkbox"/> No		
EXAMINER INITIALS	REF. NO.		OTHER (Including Author, Title, Date, Pertinent Pages, etc.)						
Ho	AR	17	Calia, Kurt Geoffrey; Petition to Make Special; January 11, 1996; pp. 1-2.						
Ho	AS	17	Henderson, Robert J.; Declaration by Applicant in Support of Petition to Make Special; January 2, 1996; pp. 1-5, Exhibits A, B, C, and D.						
Ho	AT	17	Calia, Kurt Geoffrey; Declaration by Attorney in Support of Petition to Make Special; January 11, 1996; pp. 1-3.						
EXAMINER				DATE CONSIDERED					
Howard E. ...				9/26/02					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.									

ATTY DOCKET NO.  
24047-330C US01

**APPLICANT:** Robert W. Henderson and Tarek Hammad

FILING  
April 16, 2001

GROUP	Unassigned
-------	------------

## U.S. PATENT DOCUMENTS

09 834726

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (including Author, Title, Date)			
AS	18	Moskowitz, Roland W., "Primary Osteoarthritis: Epidemiology, Clinical Aspects, and General Management," Osteoarthritis: The Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83(5A), November 20, 1987 at 5.	
AT	18	Fassbender, Hans G., "Role of Chondrocytes in the Development of Osteoarthritis," Osteoarthritis: The Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83(5A), November 20, 1987 at 17.	

EXAMINER Shawn Quon

DATE CONSIDERED *9/22/68*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)  
24047.330C.US01Continuation of  
Appl. No. 08/797,294Applicant(s)  
Robert W. Henderson and Tarek HammadFiling Date  
April 16, 2001Group Art Unit  
Unassigned

EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Ho	AR 18	Bassleer, Corinne, et al., "Proteoglycans Synthesized by Human Chondrocytes Cultivated in Clusters, Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine. The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 25.
Ho	AS 19	Brandt, Kenneth D., "Effects of Nonsteroidal Anti-Inflammatory Drugs on Chondrocyte Metabolism in Vitro and in Vivo, Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 29.
Ho	AT 19	Laudanno, Oscar M., "Cytoprotective Effect of S-Adenosylmethionine Compared with That of Misoprostol against Ethanol-, Aspirin-, and Stress-Induced Gastric Damage," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 43.
Ho	AU 19	Harmand, Marie-Francoise, et al., "Effects of S-Adenosylmethionine on Human Articular Chondrocyte Differentiation: An in Vitro Study," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 48.
Ho	AV 19	Barcelo, Hector A., "Effect of S-Adenosylmethionine on Experimental Osteoarthritis in Rabbits," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 55.
Ho	AW 19	Di Padova, Carlo, "S-Adenosylmethionine in the Treatment of Osteoarthritis: Review of the Clinical Studies," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 60.
Ho	AX 19	Caruso, Innocenzo, et al., "Italian Double-Blind Multicenter Study Comparing S-Adenosylmethionine, Naproxen, and Placebo in the Treatment of Degenerative Joint Disease," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 66.
Ho	AY 19	Maccagno, Armando, et al., "Double-Blind Controlled Clinical Trial of Oral S-Adenosylmethionine versus Piroxicam in Knee Osteoarthritis," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 72.
Ho	AZ 19	Vetter, Georg, "Double-Blind Comparative Clinical Trial with S-Adenosylmethionine and Indomethacin in the Treatment of Osteoarthritis," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 78.
Ho	AAR 19	Muller-Fassbender, H., "Double-Blind Clinical Trial of S-Adenosylmethionine versus ibuprofen in the Treatment of Osteoarthritis," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 81.
Ho	AAS 19	Berger, Rainer, et al., "A New Medical Approach to the Treatment of Osteoarthritis: Report of an Open Phase IV Study with Ademetionine (Gumbaral)," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 84.
Ho	AAT 19	Konig, Benno, "A Long-Term (Two Years) Clinical Trial with S-Adenosylmethionine for the Treatment of Osteoarthritis," Osteoarthritis: The New Clinical Picture, Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine, The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 89.
EXAMINER		DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)  
24047.330C.US01Continuation of  
App. No. 08/797,294

Applicant(s)

Robert W. Henderson and Tarek Hammad

Filing Date

April 16, 2001

Group Art Unit

Unassigned

EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Ho	AR 20	Baldessarini, Ross J., "Neuropharmacology of S-Adenosyl-L-Methionine," Osteoarthritis: The New Clinical Picture. Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine. The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 95.
Ho	AS 20	Carney, Michael W. P., et al., "S-Adenosylmethionine and Affective Disorder," Osteoarthritis: The New Clinical Picture. Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine. The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 104.
Ho	AT 20	Tavoni, Antonio, et al., "Evaluation of S-Adenosylmethionine in Primary Fibromyalgia: A Double-Blind Crossover Study," Osteoarthritis: The New Clinical Picture. Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine. The American Journal of Medicine, Vol. 83 (5A), November 20, 1987 at 107.
Ho	AU 20	McCarty, M.F., "The Neglect of Glucosamine as a Treatment for Osteoarthritis - A Personal Prospective," Medical Hypotheses, (1994), 42, 323-27.
Ho	AV 20	"Vetrazene" Literature, Vetraceutical Services, Inc., 1996.
Ho	AW 20	Read, R.A. et al., "Systemic use of pentosan polysulphate in treatment of Osteoarthritis," Journal of Small Animal Practice, 37:108-114 (1996)
Ho	AX 20	Burkhardt, P., et al., "Laboratory evaluation of anti-arthritis drugs as potential chondroprotective agents," Semin. Arthritis Rhum. 17 (suppl.):3-34 (1987)
Ho	AY 20	Goad, Cathryn E., et al., "Pentosan-induced thrombocytopenia: Support for an immune complex mechanism," British Journal of Hematology, 88:803-08 (1994)
Ho	AZ 20	Ghosh, P., et al., "Animal models of early Osteoarthritis: Their use for evaluation of potential chondroprotective agents," Agents and Actions, Suppl. 39:195-206, (1993)
Ho	AAR 20	Collier, S., et al., "Evaluation of effects of antiarthritic drugs on the secretion of proteoglycans by lapine chondrocytes using a novel assay procedure," Annals of Rheumatic Diseases, 4: 372-381 (1989)
Ho	AAS 20	Francis, D.J. et al., "Pentosan polysulphate and glycosaminoglycan polysulphate stimulate the synthesis of hyaluronan in vivo," Rheumatology International, 13(2):61-4 (1993)
Ho	AAT 20	Ghosh, P., "Anti-rheumatic drugs and cartilage," Bailliere's Clinical Rheumatology, 2(2):309-338 (1988)
EXAMINER		DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)  
24047.330C.US01Continuation of  
Appl. No. 08/797,294Applicant(s)  
Robert W. Henderson and Tarek HammadFiling Date  
April 16 2001Group Art Unit  
Unassigned

*EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Ho	AR 21	Hutadilok N., et al., "Pentosan polysulphate stimulates hyaluronate and DNA synthesis in synovial fibroblasts and partially reduces the supportive effect of hydrocortisone on fibroblast metabolism," Current Therapeutic Research 44:845-860 (1988).
Ho	AS 21	Andrews, J.L. et al., "The interaction of pentosan polysulphate (SP54) with human neutrophil elastase and connective tissue matrix components, Chemical and Biological interactions, 47:157-73 (1983)
Ho	AT 21	Rogachefsky, R.A. et al., "Treatment of canine osteoarthritis with insulin-like growth factor-I (IGF-I) and sodium pentosan polysulfate," Osteoarthritis and Cartilage, 1:105-14 (1993).
Ho	AU 21	Ghosh, P., et al., "Second-Line agents in osteoarthritis," Second-Line Agents in the Treatment of Rheumatic Diseases (Marcel Dekker, Inc., New York) pp. 363-427 (1992)
Ho	AV 21	Bansal, M., et al., "The effects of calcium pentosan polysulfate on inflammatory mediators in the rat air-pouch model of inflammation," Current Therapeutic Research 54(6): 714-730 (1993)
Ho	AW 21	Kalbhen, D.A., "Pharmacological studies on the anti-inflammatory effect of a semi-synthetic polysaccharide (pentosan polysulfate)," Pharmacology 9: 74-79 (1973)
Ho	AX 21	Klocking, H.P. et al., "Effect of sodium pentosan polysulphate on the thrombogenicity of prothrombin complex concentrates," Thrombosis Research, 67(1): 41-48 (1992)
Ho	AY 21	Srivastava, A.K. et al., "Pentosan polysulfate, a potent anti-HIV and anti-tumor agent, inhibits protein serine/threonine and tyrosine kinases," Molecular and Cellular Biochem., 120(2):127-33 (Mar. 24, 1993).
Ho	AZ 21	Senthil, D., et al., "Influence of sodium pentosan polysulphate and certain inhibitors calcium oxalate crystal growth," Molecular and Cellular Biochemistry 156(1):31-5 (Mar. 9, 1996)
Ho	AAR 21	Hampson, S.J. et al., "Sodium pentosanpolysulphate in the management of haemorrhagic cystitis: Experience with 14 patients," European Urology 25(1):40-2 (1994)
Ho	AAS 21	Tardy-Poncet, B., et al., "Pentosan polysulfate-induced thrombocytopenia and thrombosis," American Journal of Hematology, 45(3):252-7 (Mar. 1994)
Ho	AAT 21	Verbruggen, G., et al., "Intra-articular injection of pentosanpolysulphate results in increased hyaluronan molecular weight in joint fluid," Clinical and Experimental Rheumatology 10(3):249-54 (May-Jun. 1992)
EXAMINER		DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

24047 330C IIS01

Continuation of

Appl. No. 08/797,294

Applicant(s)


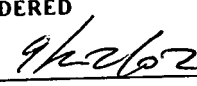
Robert W. Henderson and Tarek Hammad

Filing Date

April 16 2001

Group Art Unit

Unassigned

EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Ho	AR 22	Maffrand, J.P., et al., Seminar in Thrombosis and Hemostasis, "Experimental and Clinical Pharmacology of Pentosan Polysulfate," 17(2):186-198.
Ho	AS 22	Boulay, JP, et al., "Medical Therapy of Osteoarthritis in Dogs," Vet. Exchange, 17:1-20 (1995)
Ho	AT 22	Bucci, LR, "Trace minerals," Nutrition Applied to Injury Rehabilitation and Sports Medicine (CRC Press Inc., Boca Raton, FL) p. 144 (1995).
Ho	AU 22	Capretto, C., et al., "A Double-Blind controlled study of S-adenosylmethionine (S-AdMe) v. Ibuprofen in gonarthrosis, coxarthrosis and spondylarthrosis," Clinical Trials Journal, 22(1): 15-24 (1985).
Ho	AV 22	Caruso, I., et al., "Double-blind study of S-Adenosyl-methionine versus placebo in hip and knee arthrosis" Biological Methylation and Drug Design, Experimental and Clinical Role of S-adenosylmethionine, Brochardt, RT, Creveling, CR, Ueland, PM, eds. (Humana Press, Clifton, NJ) (1986)
Ho	AW 22	Feo, F., et al., "The variations of S-adenosyl-L-methionine content modulate hepatocyte growth during phenobarbital promotion of diethylnitrosamine-induced rat liver carcinogenesis," Toxicologic Pathology, 15(1):109-114 (1987).
Ho	AX 22	Garcea, R., et al., "Inhibition of promotion and persistent nodule growth by S-Adenosyl-L-methionine in rat liver carcinogenesis: role of remodeling and apoptosis," Cancer Research, 49:1850-1856 (1989)
Ho	AY 22	Giulidori, P., et al., "Transmethylation, transsulfuration and aminopropylation reactions of S-adenosyl-L-methionine in vivo," J Biol Chem, 259(7):4205-4211 (1984).
Ho	AZ 22	Gloriso, S., et al., "Double-blind multicentre study of the activity of S-adenosylmethionine in hip and knee osteoarthritis," Int J Clin Pharm Res, V(1):39-49 (1985).
Ho	AAR 22	Hanson, RR, "Mode of action of oral chondroprotective agents in equine practice," Equine Practice, 17(9):19 (1995).
Ho	AAS 22	Marcolongo, R., et al., "Double-blind multicentre study of the activity of S-Adenosyl-methionine in hip and knee osteoarthritis," Current Therapeutic Research, 37(1):82-94 (1985).
Ho	AAT 22	Vendemiale, G., et al., "Effects of oral S-adenosyl-L-methionine on hepatic glutathione in patients with liver disease," Scand J Gastroenterol, 24:407-415 (1989).
EXAMINER		<div> <div>  </div> <div> DATE CONSIDERED   </div> </div>

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)  
24047.330C.US01Continuation of  
Appl. No. 08/797,294

Applicant(s)

Robert W. Henderson and Tarek Hammad

Filing Date

April 16, 2001

Group Art Unit

Unassigned

EXAMINER  
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

09834726

AR  
23

H. Ralph Schumacher, Jr., "Crystals, Inflammation, and Osteoarthritis," Osteoarthritis: The New Clinical Picture. Pathogenesis, and Management with Studies on a New Therapeutic Agent, S-Adenosylmethionine. The American Journal of Medicine, Vol. 83(5A), November 20, 1987 at 11.

EXAMINER

DATE CONSIDERED

*Henderson*

4/22/02

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.